

## **CHAPTER 52-03-09 CALIBRATION OF TEST EQUIPMENT**

### **Section**

52-03-09-01	Manufacturer's Recommended Procedure
52-03-09-02	Instrument Recalibration
52-03-09-03	Additional Testing
52-03-09-04	Record To Be Made

**52-03-09-01. Manufacturer's recommended procedure.** The equipment shall be calibrated in accordance with the procedure recommended by the manufacturer. It shall be allowed to warm up until equilibrium is reached prior to any testing.

**General Authority:** NDCC 39-02-03

**Law Implemented:** NDCC 39-10.2-06

**52-03-09-02. Instrument recalibration.** The instrumentation shall be recalibrated after each series of tests. Any change in the calibration before and after testing shall be cause for rejection of the test series.

**General Authority:** NDCC 39-02-03

**Law Implemented:** NDCC 39-10.2-06

**52-03-09-03. Additional testing.** In addition to the manufacturer's component calibration specified in section 52-03-09-01, the entire system shall be checked before and after each series of tests for calibration by dropping the head form on a section of rigid foam plastic and comparing this calibration with previous calibrations on the same or identical foam plastic. The calibration must be within predetermined tolerance prior to and after testing. If it is out of tolerance, the test series shall be discarded.

**General Authority:** NDCC 39-02-03

**Law Implemented:** NDCC 39-10.2-06

**52-03-09-04. Record to be made.** A permanent acceleration-time history record of each impact shall be made.

**General Authority:** NDCC 39-02-03

**Law Implemented:** NDCC 39-10.2-06